

L19 ANSWER 1 OF 3 USPATFULL  
AN 2002:344197 USPATFULL  
TI Knit fabrics for use in industrially launderable garments and garments made therefrom  
IN Hall, A. Steven, Spartanburg, SC, UNITED STATES  
Stephens, Larry H., Spartanburg, SC, UNITED STATES  
PI US 2002197926 A1 20021226  
AI US 2002-213175 A1 20020806 (10)  
RLI Continuation of Ser. No. US 2000-591664, filed on 9 Jun 2000, PENDING  
DT Utility  
FS APPLICATION  
LN.CNT 735  
INCL INCLM: 442/304.000  
NCL. NCLM: 442/304.000  
IC [7]  
ICM: D04B007-00  
ICS: B32B027-12; D04B009-00; D04B021-00; D04B011-00; D04B001-00

L19 ANSWER 2 OF 3 USPATFULL  
AN 2001:212254 USPATFULL  
TI Mat and method of manufacturing a mat  
IN Demott, Roy P., Spartanburg, SC, United States  
Gillis, Kimberly C., Moore, SC, United States  
Stringer, Ernest G., Spartanburg, SC, United States  
Hedley, Terence M., Leighton Buzzard, Great Britain  
PI US 2001044249 A1 20011122  
AI US 2001-809664 A1 20010315 (9)  
RLI Continuation-in-part of Ser. No. US 2000-527629, filed on 17 Mar 2000, PENDING  
PRAI GB 2000-6377 20000317  
GB 2000-19413 20000808  
DT Utility  
FS APPLICATION  
LN.CNT 904  
INCL INCLM: 442/304.000  
INCLS: 428/085.000; 442/312.000  
NCL. NCLM: 442/304.000  
NCLS: 428/085.000; 442/312.000  
IC [7]  
ICM: B32B033-00  
ICS: B32B003-02; D04H011-00

L19 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS  
AN 1992:42871 CAPLUS  
DN 116:42871  
TI Polyester fibers for paper manufacture  
IN Horiuchi, Hajime; Okifushi, Shoji; Yuasa, Izumi; Akita, Satoshi  
PA Kuraray Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 6 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1  
PATENT NO. KIND DATE APPLICATION NO. DATE  
----- ----- ----- -----  
PI JP 03180587 A2 19910806 JP 1989-321994 19891211  
PRAI JP 1989-321994 19891211

=> d his

(FILE 'HOME' ENTERED AT 15:20:21 ON 27 MAY 2003)

FILE 'REGISTRY' ENTERED AT 15:20:28 ON 27 MAY 2003

L1 8 S MILEASE  
L2 3 S LUBRIL

FILE 'USPATFULL, CAPLUS, EUROPATFULL, JAPIO' ENTERED AT 15:27:12 ON 27  
MAY 2003

L3 8 S 82852-78-6/RN  
L4 4 S 82852-78-6  
L5 10 S 82852-79-7  
L6 8 S L3 OR L4  
L7 20 S 82852-79-7/RN  
L8 24 S L7 OR L3  
L9 5 S 188832-24-8/RN  
L10 0 S L9 AND L8

FILE 'REGISTRY' ENTERED AT 15:31:01 ON 27 MAY 2003

L11 1 S 188832-24-8/RN

FILE 'USPATFULL, CAPLUS, EUROPATFULL, JAPIO' ENTERED AT 15:34:08 ON 27  
MAY 2003

L12 894 S ETHYOXYLAT?  
L13 528993 S POLYESTER  
L14 221253 S SULFONAT?  
L15 0 S L12 (2A) L13  
L16 78637 S ETHOXYLAT?  
L17 381 S L16 (2A) L13  
L18 3 S L16 (2A) L13 (2A) L14  
L19 3 S L17 AND L18

L1 ANSWER 7 OF 8 REGISTRY COPYRIGHT 2003 ACS

RN 82852-78-6 REGISTRY

CN Milease HPA (9CI) (CA INDEX NAME)

ENTE A hydrophilic finishing agent for polyester textiles containing a polyester of ethylene glycol, polyethylene glycol, aromatic dicarboxylic acid and sulfonated aromatic dicarboxylic acid (ICI Americas, Inc.)

MF Unspecified

CI MAN

LC STN Files: CA, CAPLUS, PROMT, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

4 REFERENCES IN FILE CA (1957 TO DATE)

4 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 115:138174 CA  
TITLE: Application of a wettable surface to hydrophobic polyester and articles therefrom  
INVENTOR(S): Meirowitz, Randy E.; Phelan, Robert J.  
PATENT ASSIGNEE(S): Kimberly-Clark Corp., USA  
SOURCE: Eur. Pat. Appl., 16 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
INT. PATENT CLASSIF.:  
    MAIN: D06M010-10  
    SECONDARY: C08J007-04; D06M015-507; D06M015-71; D04H001-42  
    ADDITIONAL: A61F013-15  
    INDEX: D06M101-32  
CLASSIFICATION: 40-9 (Textiles and Fibers)  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.                    | KIND | DATE     | APPLICATION NO. | DATE     |
|-------------------------------|------|----------|-----------------|----------|
| EP 438114                     | A1   | 19910724 | EP 1991-100406  | 19910115 |
| EP 438114                     | B1   | 19950405 |                 |          |
| R: BE, DE, FR, GB, IT, LU, NL |      |          |                 |          |
| US 5130073                    | A    | 19920714 | US 1990-464800  | 19900116 |
| CA 2019284                    | AA   | 19910716 | CA 1990-2019284 | 19900619 |
| CA 2019284                    | C    | 20011030 |                 |          |
| AU 9169370                    | A1   | 19910718 | AU 1991-69370   | 19910115 |
| AU 633677                     | B2   | 19930204 |                 |          |
| ZA 9100299                    | A    | 19911030 | ZA 1991-299     | 19910115 |
| BR 9100173                    | A    | 19911022 | BR 1991-173     | 19910116 |
| US 5175050                    | A    | 19921229 | US 1992-858277  | 19920326 |
| PRIORITY APPLN. INFO.:        |      |          | US 1990-464800  | 19900116 |

ABSTRACT:

Wettable layers with good adhesion to substrate are prep'd. by contacting polyester, esp. fiber, with a copolymer soln. at a temp. above the polyester melt point. The copolymer soln. may be contacted with the polyester after extrusion. Thus, as they exit the extruder, melt blown PET fibers are sprayed with a 2% aq. soln. of Milease HPA or Milease T.

SUPPL. TERM: polyester fiber melt finishing; block copolymer finishing melt fiber; wettable copolymer layer finishing fiber; hydrophilic finish hydrophobic fiber

INDEX TERM: Polyester fibers, uses and miscellaneous

ROLE: USES (Uses)

(hydrophilic finishing agents for, block copolymers as)

INDEX TERM: Web materials

INDEX TERM: (polyester, finished with hydrophilic copolymer)  
82852-78-6, Milease HPA 82852-79-7, Milease T  
ROLE: USES (Uses)  
(finishing agent, for PET fiber, for wettable surface)

REFERENCE 2

ACCESSION NUMBER: 110:40851 CA  
TITLE: Articles containing fabric softener and soil release agent for treating fabrics in clothes dryer  
INVENTOR(S): Trinh, Toan  
PATENT ASSIGNEE(S): Procter and Gamble Co., USA  
SOURCE: U.S., 20 pp.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
INT. PATENT CLASSIF.:  
MAIN: D06M013-30  
US PATENT CLASSIF.: 252008600  
CLASSIFICATION: 46-5 (Surface Active Agents and Detergents)  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.             | KIND | DATE     | APPLICATION NO. | DATE     |
|------------------------|------|----------|-----------------|----------|
| US 4764289             | A    | 19880816 | US 1987-105760  | 19871005 |
| CA 1331678             | A1   | 19940830 | CA 1988-578925  | 19880930 |
| PRIORITY APPLN. INFO.: |      |          | US 1987-105760  | 19871005 |

ABSTRACT:  
A compn. contg. a cationic and/or nonionic fabric softener and a high-melting anionic polymeric soil release agent (at least partially coated with nitrogenous polymer to inhibit interaction with softener) is deposited on a dispensing means such as a nonwoven fabric to prep. an article for imparting softness and soil release properties to laundered fabrics in an automatic dryer. A compn. contg. R2N+Me2 MeOSO3- (R = tallow alkyl) and poly(vinyl pyrrolidone)-coated Milease HPA powder was deposited on a nonwoven rayon fabric to prep. a fabric-conditioning article.

SUPPL. TERM: polyester soil release fabric; soil release treatment fabric; softener treatment fabric; dryer fabric softening soilproofing; quaternary ammonium softener fabric; ammonium softener fabric dryer; polyvinylpyrrolidone encapsulation soilproofing agent  
INDEX TERM: Softening agents  
(fabric conditioner contg. soil release agent and, for use in dryer)  
INDEX TERM: Encapsulation  
(of polymeric soil release agent, for compatibility with fabric softener)  
INDEX TERM: Polyesters, uses and miscellaneous  
ROLE: USES (Uses)  
(soil release agents, fabric conditioners contg. softener and, for use in dryer)  
INDEX TERM: Soilproofing  
(agents, polymeric, fabric conditioner contg. softener and, for use in dryer)  
INDEX TERM: Quaternary ammonium compounds, uses and miscellaneous  
ROLE: USES (Uses)  
(dimethylditallow alkyl, Me sulfates, softening agents, fabric conditioners contg. soil release agent and, for use in dryer)  
INDEX TERM: Polyethers, uses and miscellaneous  
ROLE: USES (Uses)

INDEX TERM: (polyester-, soil release agents, fabric conditioners  
 contg. softener and, for use in dryer)  
 Polyesters, uses and miscellaneous  
 ROLE: USES (Uses)  
 (polyether-, soil release agents, fabric conditioners  
 contg. softener and, for use in dryer)  
 INDEX TERM: 9022-20-2 40103-20-6D, Dimethylterephthalate-1,2-  
 propanediol copolymer, esters with polyethylene glycol  
 sulfoethyl ether 82852-78-6, Milease HPA 86714-02-5D,  
 esters with dimethylterephthalate-propanediol copolymer  
 118441-36-4 118441-37-5 118441-38-6 118441-39-7  
 118441-40-0  
 ROLE: USES (Uses)  
 (soil-release agent, fabric treatment by softener and, in  
 dryer)  
 INDEX TERM: 9002-98-6, Polyethylenimine 9003-39-8,  
 Poly(vinylpyrrolidone) 26913-06-4, Polyethylenimine, SRU  
 118338-66-2  
 ROLE: USES (Uses)  
 (soil-release agents coated by, for compatibility with  
 fabric softeners)

#### REFERENCE 3

ACCESSION NUMBER: 109:24421 CA  
 TITLE: Papermakers fabric with encapsulated monofilament  
 yarns  
 INVENTOR(S): Fleischer, Thomas B.; Palmer, Walter M.  
 PATENT ASSIGNEE(S): Huyck Corp., USA  
 SOURCE: U.S., 7 pp. Cont. of U.S. Ser. No. 665,666, abandoned.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 INT. PATENT CLASSIF.:  
 MAIN: B01D039-08  
 SECONDARY: B32B005-02; D03D015-00; D21F001-10  
 US PATENT CLASSIF.: 428196000  
 CLASSIFICATION: 43-10 (Cellulose, Lignin, Paper, and Other Wood  
 Products)  
 Section cross-reference(s): 40  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

| PATENT NO.             | KIND | DATE     | APPLICATION NO. | DATE     |
|------------------------|------|----------|-----------------|----------|
| US 4731281             | A    | 19880315 | US 1986-834153  | 19860227 |
| PRIORITY APPLN. INFO.: |      |          | US 1984-665666  | 19841029 |

ABSTRACT:  
 Papermaker's fabric (wire cloth) with improved drainage and antisticking  
 property are prep'd. from uniformly precoated monofilament yarns having  
 different coating thickness in machine and cross machine direction. Thus, a  
 0.41-mm PET monofilament yarn encapsulated with an aq. soln. of 3% fluorocarbon  
 Zepel RN showed superior contamination resistance as compared to uncoated yarn.

SUPPL. TERM: papermaker fabric woven yarn coating; contamination  
 resistant coating papermaker fabric; nonstick coating  
 papermaker fabric; monofilament yarn coating wire cloth;  
 plastic wire cloth yarn coating  
 INDEX TERM: Paper  
 (manuf. of, plastic wire cloths for, contg. coated  
 monofilament yarns for improved sticking and  
 contamination resistance)  
 INDEX TERM: Polyester fibers, uses and miscellaneous

ROLE: USES (Uses)  
(monofilament yarns, antistick-coated, plastic wire  
cloths contg., with improved resistance to contamination)

INDEX TERM: Coating materials  
(nonstick, for monofilament yarns, in manuf. of plastic  
wire cloths for paper making, with improved contamination  
resistance)

INDEX TERM: 78474-68-7, Zepel RN 82852-78-6, Milease HPA  
115003-94-6, Milease F 31X 115165-94-1, Vitel VPE 4709A

ROLE: USES (Uses)  
(monofilament yarns coated with, for paper-machine  
plastic wire cloths for improved resistance to  
contamination and stickiness)

REFERENCE 4

ACCESSION NUMBER: 97:111219 CA

TITLE: Hydrophilic finishes for polyester: durability and  
processing advantages

AUTHOR(S): Ferguson, Christopher A.

CORPORATE SOURCE: ICI Americas Inc., Wilmington, DE, USA

SOURCE: American Dyestuff Reporter (1982), 71(6), 43-7

CODEN: ADREAI; ISSN: 0002-8266

DOCUMENT TYPE: Journal

LANGUAGE: English

CLASSIFICATION: 40-9 (Textiles)

ABSTRACT:  
The advantages of the hydrophilic finishing of polyester textiles is discussed  
with emphasis on the application of Milease T [82852-79-7] and Milease HPA  
[82852-78-6] to polyester and cotton-polyester fabrics.

SUPPL. TERM: hydrophilic finishing polyester textile; cotton polyester  
textile hydrophilic finishing; milease hydrophilic finishing,  
polyester textile

INDEX TERM: Polyester fibers, uses and miscellaneous

ROLE: USES (Uses)  
(hydrophilic finishing of, by Milease T and Milease HPA)

INDEX TERM: Textiles  
(cotton-polyester, hydrophilic finishing of, by Milease T  
and Milease HPA)

INDEX TERM: 82852-78-6 82852-79-7

ROLE: USES (Uses)  
(hydrophilic finishing agents, for polyester textiles)

L2 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2003 ACS  
RN 188832-24-8 REGISTRY  
CN **Lubril QCX (9CI)** (CA INDEX NAME)  
ENTE An ethoxylated polyester soil release agent (Rhone-Poulenc)  
MF Unspecified  
CI PMS, MAN  
PCT Manual registration  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
2 REFERENCES IN FILE CA (1957 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1957 TO DATE)

REFERENCE 1

ACCESSION NUMBER: 137:264467 CA  
TITLE: Acrylic latex compositions as coatings for textile-elastomer composites exhibiting suppleness and appearance of genuine leather  
INVENTOR(S): Vogt, Kirkland W.  
PATENT ASSIGNEE(S): USA  
SOURCE: U.S. Pat. Appl. Publ., 6 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
INT. PATENT CLASSIF.:  
MAIN: B32B003-00  
SECONDARY: B32B005-02; D03D015-00; B32B005-08; B32B027-02  
US PATENT CLASSIF.: 442333000  
CLASSIFICATION: 42-2 (Coatings, Inks, and Related Products)  
Section cross-reference(s): 39, 40  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| US 2002142688   | A1   | 20021003 | US 2001-818246  | 20010327 |
| WO 2002077090   | A1   | 20021003 | WO 2002-US2677  | 20020129 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |      |          |                 |          |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |          |
| PRIORITY APPLN. INFO.:  |      |          | US 2001-818246  | 20010327 |

ABSTRACT:  
The compns. (L) comprise an anionically-stabilized waterborne acrylic latex (A), an acid-generating compd. (B), and a cloud-point surfactant (C), and the title composites are obtained by applying L onto a porous textile substrate (S), heating the coated fabric to cause coagulation of L over S and to dry the resultant composite without destroying the coagulated structure. Thus, coating a dyed and dried fabric of 100% cotton with a compn. comprising Hystretch V-60 (an A component) 100, Aptex Donor H-plus (a B component) 2, Cartafix U (a C component) 2, Alkasurf DAP 9 (surfactant) 3, and Lubril QCX (lubricating agent) 15 g and heating to 300.degree. F for 3 min gave a title composite having a supple drape and appearance.

SUPPL. TERM: textile elastomer composite acrylic latex coating compn;

|             |  |
|-------------|--|
| INDEX TERM: | cotton fabric acrylic coating genuine leather supple drape appearance  |
| INDEX TERM: | Acrylic rubber   |
| ROLE:       | PEP (Physical, engineering or chemical process); POF (Polymer in formulation); PRP (Properties); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)<br>(Hystretch V 29; acrylic latex compns. as coatings for textile-elastomer composites) |
| INDEX TERM: | Synthetic rubber, uses   |
| ROLE:       | PEP (Physical, engineering or chemical process); POF (Polymer in formulation); PRP (Properties); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)<br>(Hystretch V 60; acrylic latex compns. as coatings for textile-elastomer composites) |
| INDEX TERM: | Surfactants  |
|             | (anionic; acrylic latex compns. as coatings for textile-elastomer composites)  |
| INDEX TERM: | Textiles   |
|             | (cotton-polyester; textile-elastomer composites coated with acrylic latex compns.)   |
| INDEX TERM: | Textiles   |
|             | (cotton; textile-elastomer composites coated with acrylic latex compns.)   |
| INDEX TERM: | Textiles   |
|             | (textile-elastomer composites coated with acrylic latex compns.)   |
| INDEX TERM: | Coating materials  |
|             | (water-thinned; acrylic latex compns. as coatings for textile-elastomer composites)  |
| INDEX TERM: | 111-55-7, Aptex Donor H-plus   |
| ROLE:       | MOA (Modifier or additive use); USES (Uses)<br>(acid stabilizer; acrylic latex compns. as coatings for textile-elastomer composites)   |
| INDEX TERM: | 57973-85-0, Cartafix U   |
| ROLE:       | MOA (Modifier or additive use); USES (Uses)<br>(cloud-point surfactant; acrylic latex compns. as coatings for textile-elastomer composites)  |
| INDEX TERM: | 188832-24-8, Lubril QCX  |
| ROLE:       | MOA (Modifier or additive use); USES (Uses)<br>(lubricating agent; acrylic latex compns. as coatings for textile-elastomer composites)   |
| INDEX TERM: | 384841-45-6, Alkasurf DAP 9  |
| ROLE:       | MOA (Modifier or additive use); USES (Uses)<br>(surfactant; acrylic latex compns. as coatings for textile-elastomer composites)  |

## REFERENCE 2

ACCESSION NUMBER: 126:265129 CA  
TITLE: Lubricant and soil release finish and its application  
on yarns  
INVENTOR(S): Schuette, Robert Louis; Demott, Phillip; Taylor,  
Derek; Lee, Angel  
PATENT ASSIGNEE(S): Milliken Research Corp., USA; Schuette, Robert Louis;  
Demott, Phillip; Taylor, Derek; Lee, Angel  
SOURCE: PCT Int. Appl., 20 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
INT. PATENT CLASSIF.:  
MAIN: C10M001-08

CLASSIFICATION: 40-9 (Textiles and Fibers)

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

| PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|---|------|----------|-----------------|----------|
| WO 9708278  | A1   | 19970306 | WO 1996-US12758 | 19960823 |
| W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |      |          |                 |          |
| RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN  |      |          |                 |          |
| US 5725951  | A    | 19980310 | US 1995-520059  | 19950828 |
| AU 9668957  | A1   | 19970319 | AU 1996-68957   | 19960823 |
| EP 793746   | A1   | 19970910 | EP 1996-929658  | 19960823 |
| R: BE, CH, DE, ES, FR, GB, IT, LI   |      |          |                 |          |
| BR 9607377  | A    | 19980714 | BR 1996-7377    | 19960823 |
| US 5935484  | A    | 19990810 | US 1997-990404  | 19971215 |
| PRIORITY APPLN. INFO.:  |      |          | US 1995-520059  | 19950828 |
|   |      |          | WO 1996-US12758 | 19960823 |

ABSTRACT:

A yarn emulsion finish has a continuous aq. phase with a soil release agent and a discontinuous phase of a lubricating oil, providing a decrease in the amt. of lubricant required, combining/applying both finishes in a single step, and elimination of unnecessary process steps since the soil release agent is applied at ambient. A lubricant/soil release finish contg. 3.2% Lubril QCX, 20% Synlube 6340, and 76.8% water was applied (1%) onto polyester yarn and the yarn knitted into a sock showing soil release rating (AATCC 130-1977 using corn oil; 1 = worst; 5 = best) 4.5.

SUPPL. TERM: ethoxylated polyester soil release agent finish; ester lubricant finish polyester yarn; emulsion lubricant soil release polyester yarn

INDEX TERM: Fatty acids, uses  
ROLE: TEM (Technical or engineered material use); USES (Uses)  
(alkoxylated, lubricant; in lubricant and soil release finish for yarns)

INDEX TERM: Fabric finishing  
(emulsion; lubricant and soil release finish for yarns)

INDEX TERM: Polyesters, processes  
ROLE: MSC (Miscellaneous); PEP (Physical, engineering or chemical process); PROC (Process)  
(fiber; lubricant and soil release finish for yarns)

INDEX TERM: Lubricants  
Soilproofing agents  
(in lubricant and soil release finish for yarns)

INDEX TERM: Yarns  
(lubricant and soil release finish for yarns)

INDEX TERM: Polyamide fibers, processes  
Polyester fibers, processes  
Polyolefin fibers

INDEX TERM: ROLE: MSC (Miscellaneous); PEP (Physical, engineering or chemical process); PROC (Process)  
(lubricant and soil release finish for yarns)

INDEX TERM: Esters, uses  
ROLE: TEM (Technical or engineered material use); USES (Uses)  
(lubricant; in lubricant and soil release finish for yarns)

INDEX TERM: Polyoxyalkylenes, uses  
Polyoxyalkylenes, uses  
ROLE: TEM (Technical or engineered material use); USES (Uses)

INDEX TERM: (polyamide-, soil release agent; in lubricant and soil release finish for yarns)

Polyoxyalkylenes, uses

Polyoxyalkylenes, uses

ROLE: TEM (Technical or engineered material use); USES (Uses) (polyester-, soil release agent; in lubricant and soil release finish for yarns)

INDEX TERM: Polyamides, uses

Polyamides, uses

Polyesters, uses

Polyesters, uses

ROLE: TEM (Technical or engineered material use); USES (Uses) (polyoxyalkylene-, soil release agent; in lubricant and soil release finish for yarns)

INDEX TERM: 25038-59-9, processes

ROLE: MSC (Miscellaneous); PEP (Physical, engineering or chemical process); PROC (Process) (fiber; lubricant and soil release finish for yarns)

INDEX TERM: 188832-23-7, Lube Stat 5101 188832-24-8, Lubril QCX  
188832-34-0, Synlube 6278 188832-35-1, Synlube 6340

ROLE: PRP (Properties); TEM (Technical or engineered material use); USES (Uses) (in lubricant and soil release finish for yarns)

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